

1/20

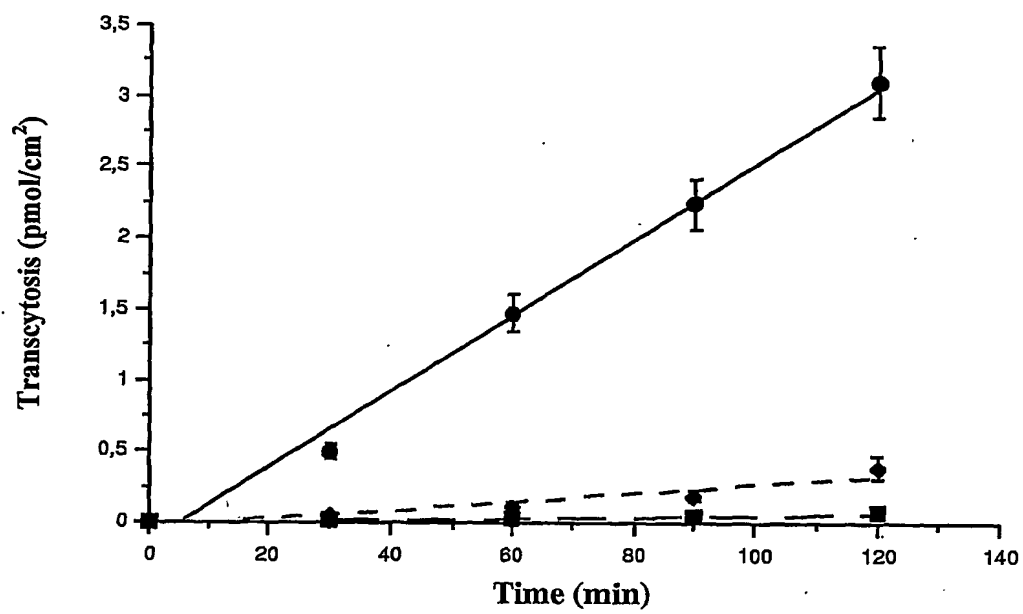


FIG. 1

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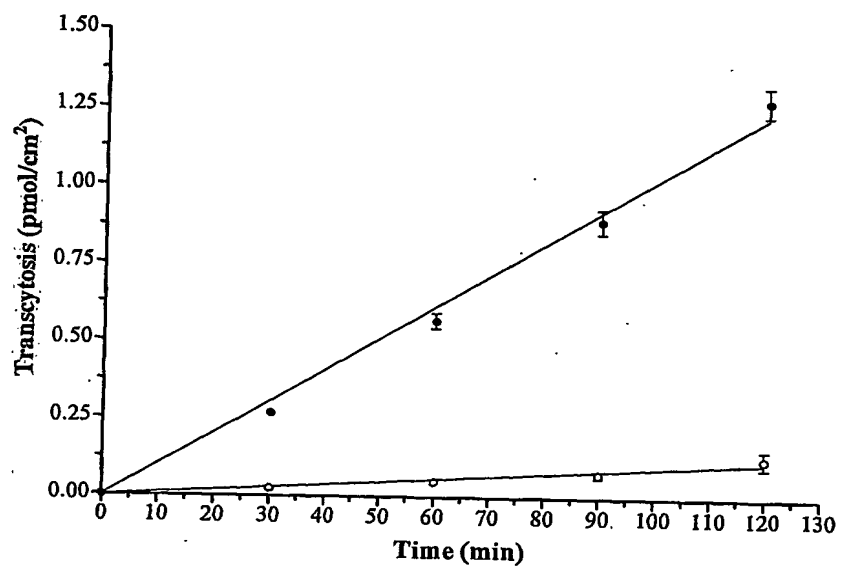


FIG. 2

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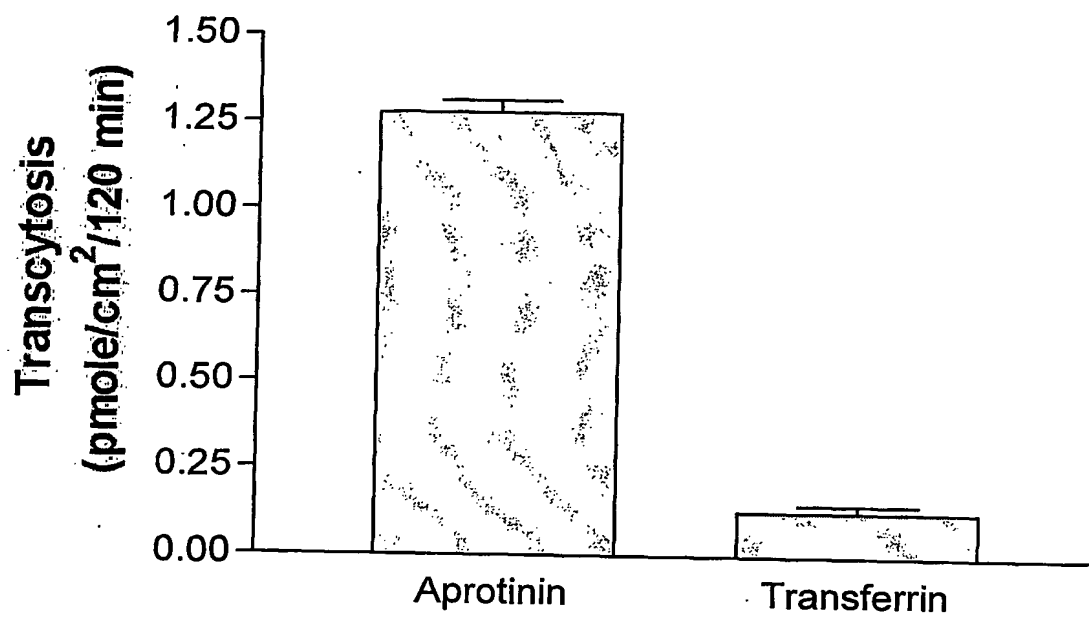


FIG. 3

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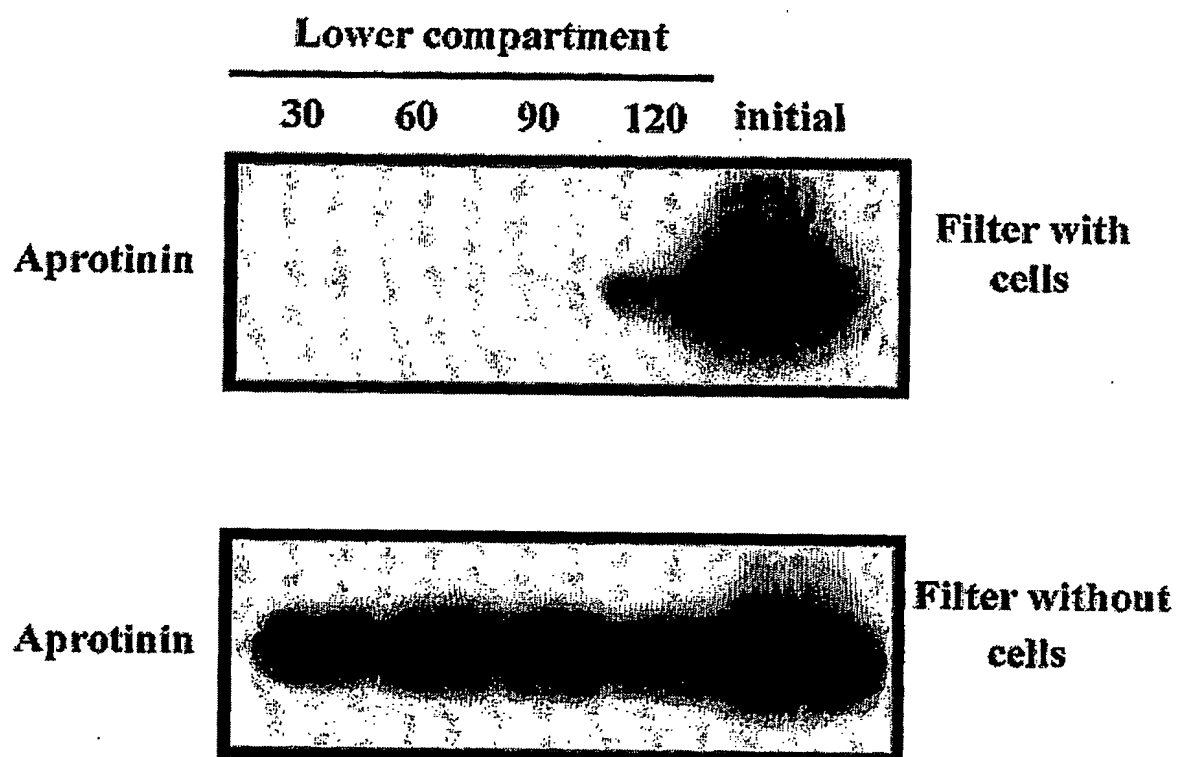


FIG. 4

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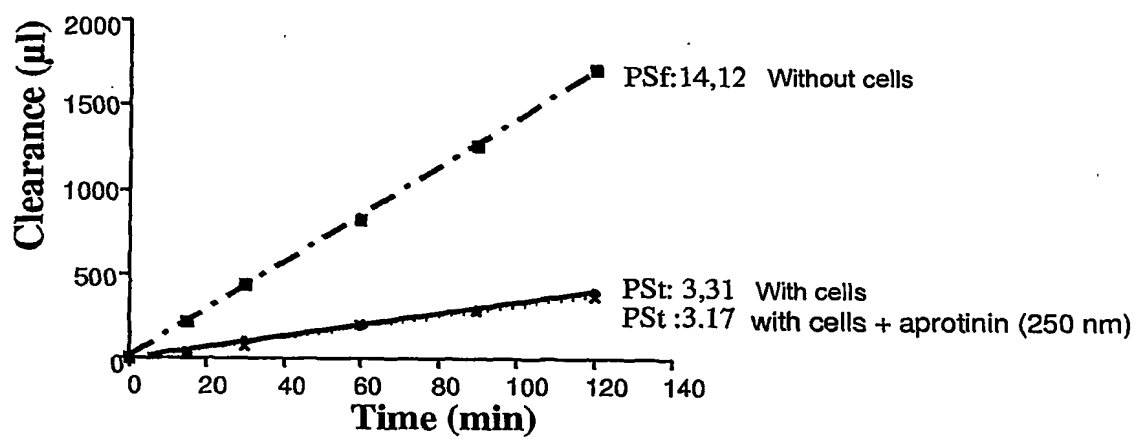


FIG. 5

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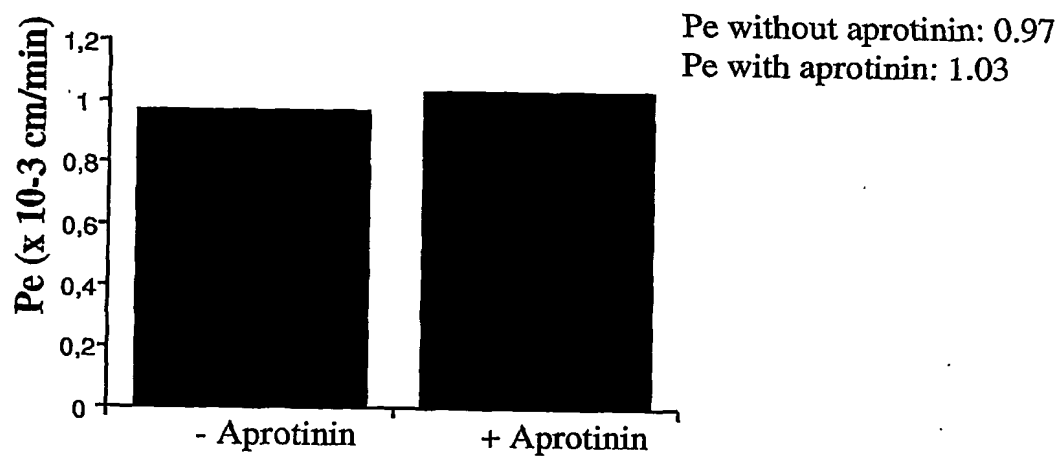


FIG. 6

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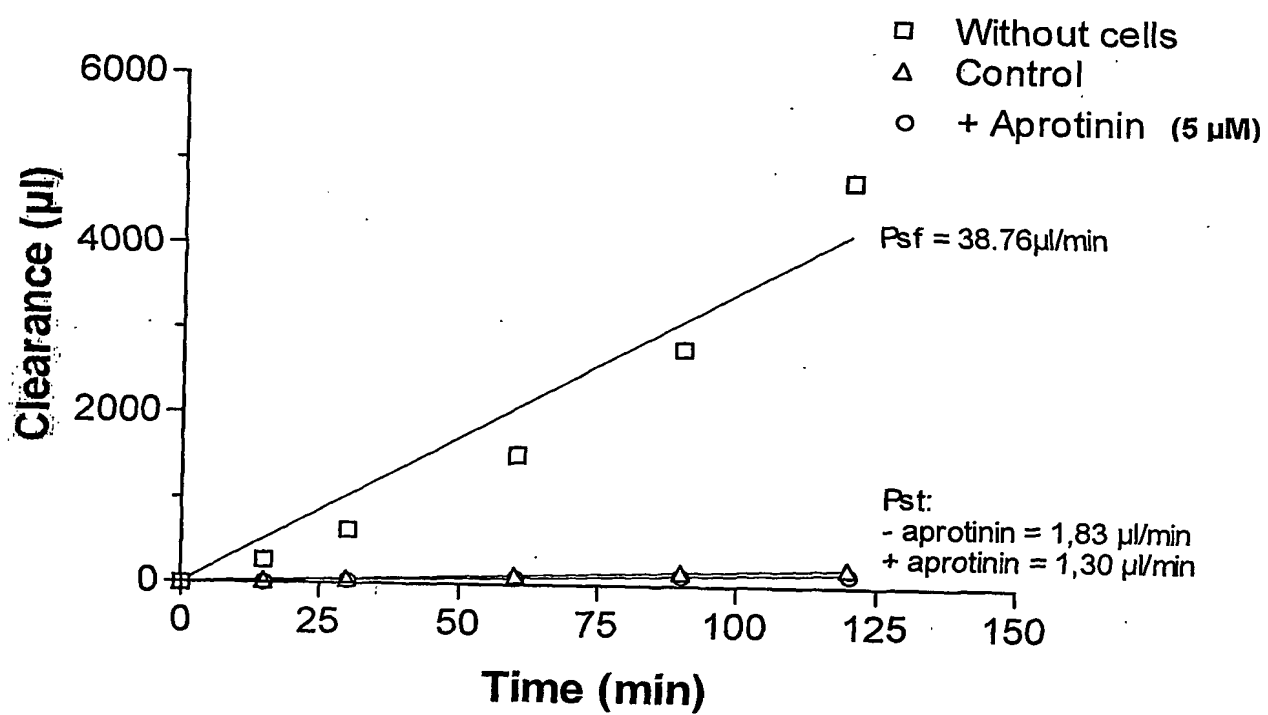


FIG. 7

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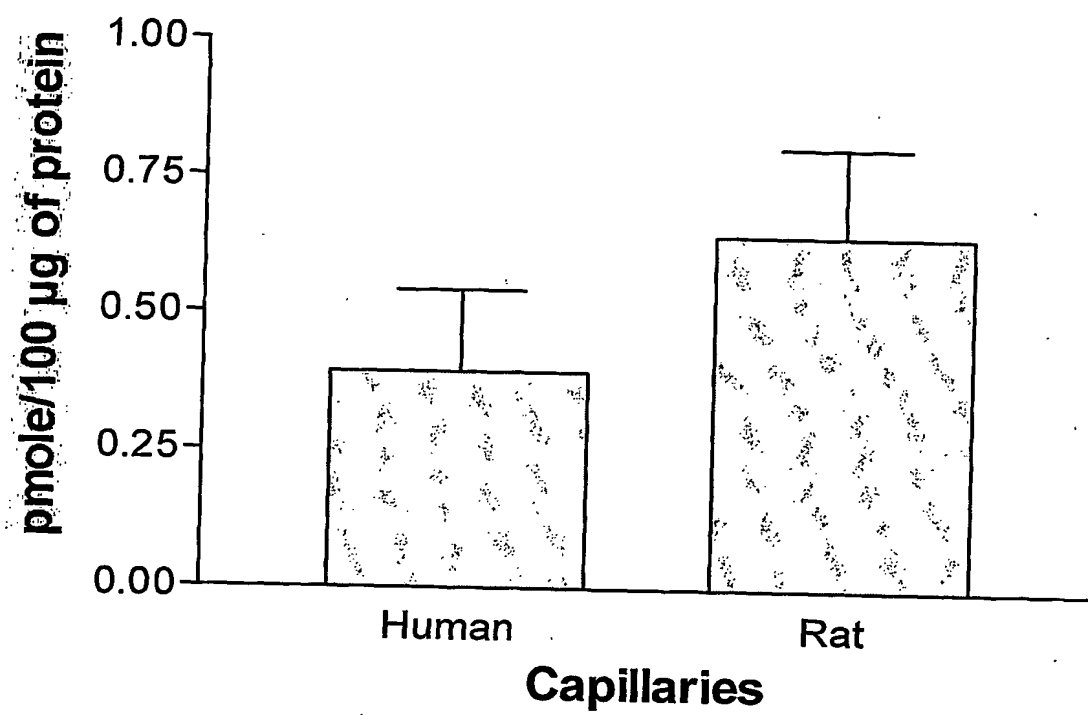


FIG. 8



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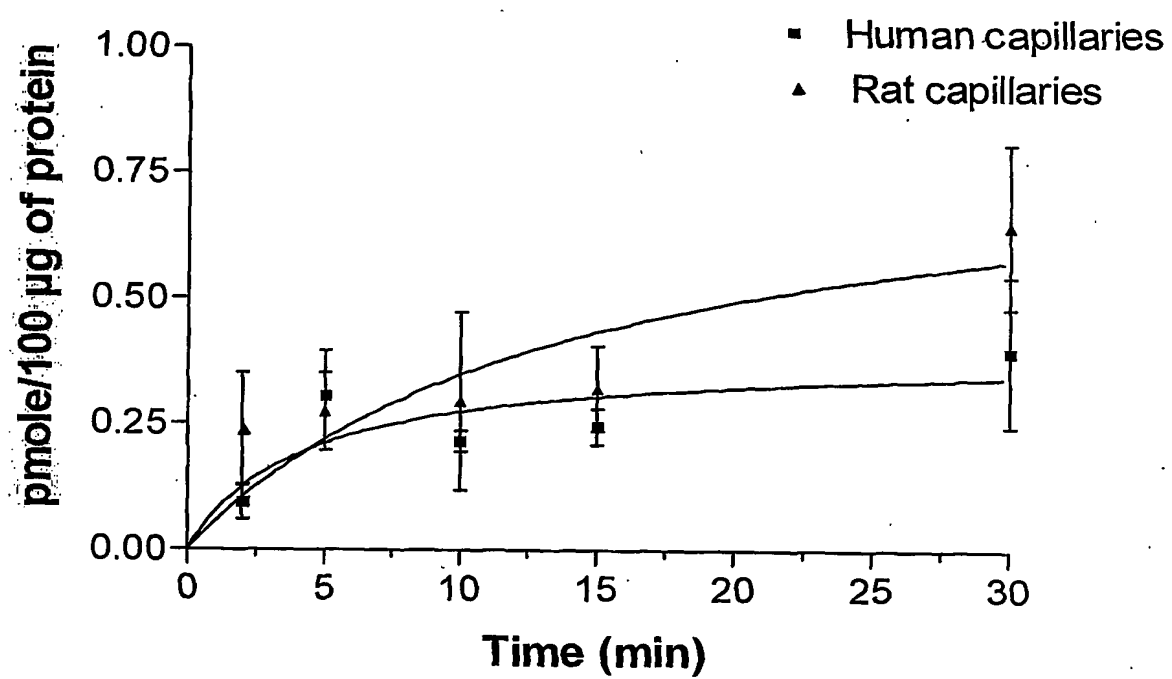


FIG. 9

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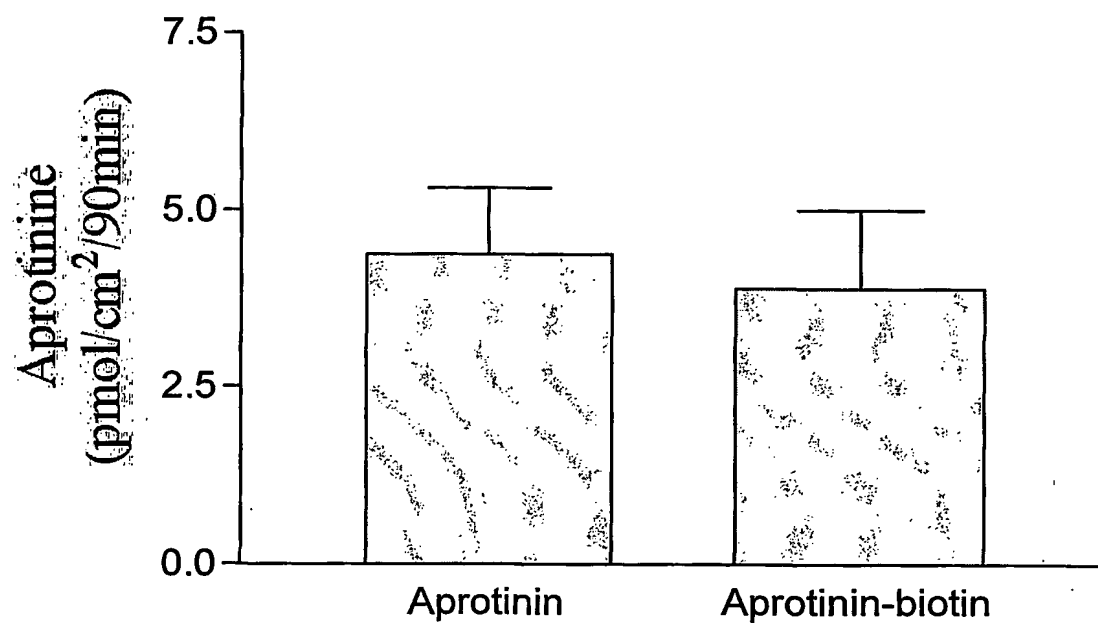


FIG. 10

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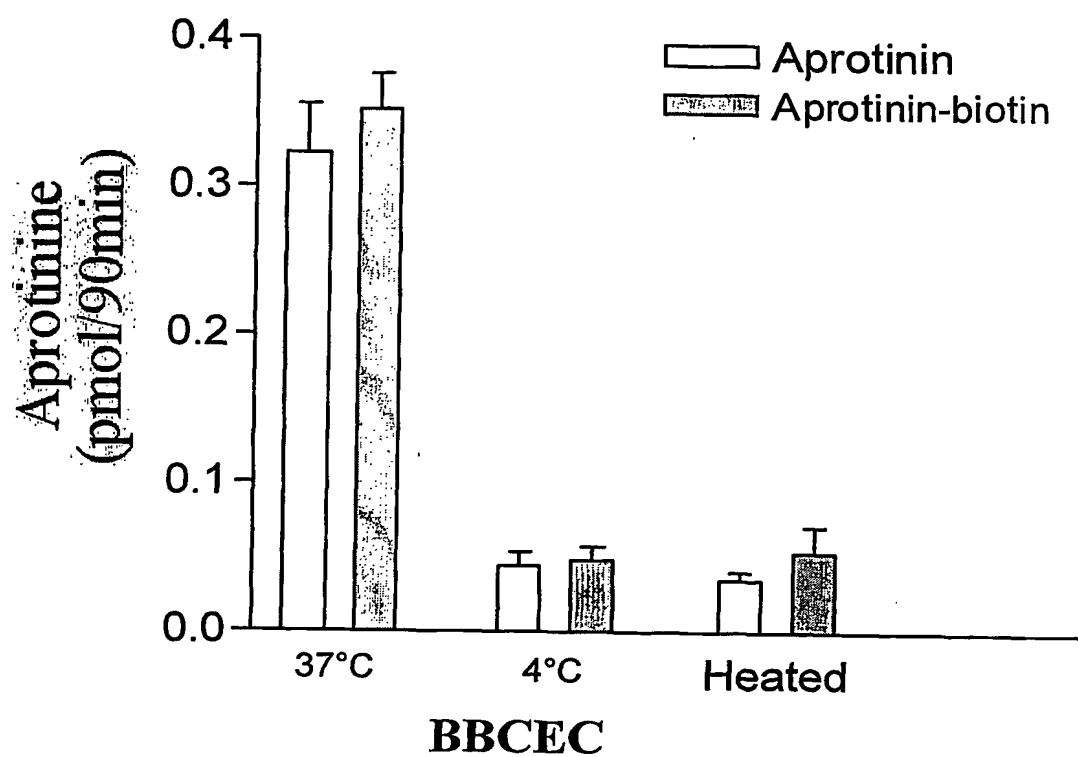


FIG. 11

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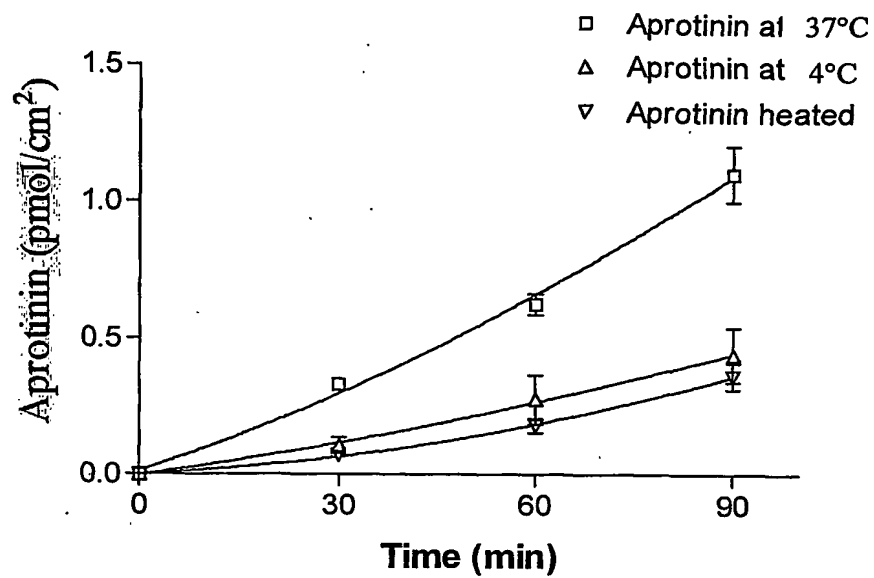


Fig. 12A

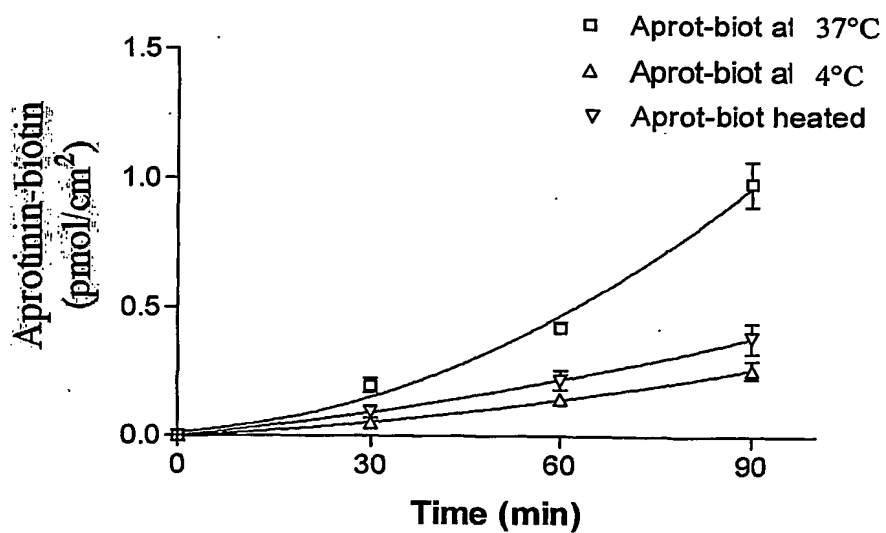


FIG. 12B

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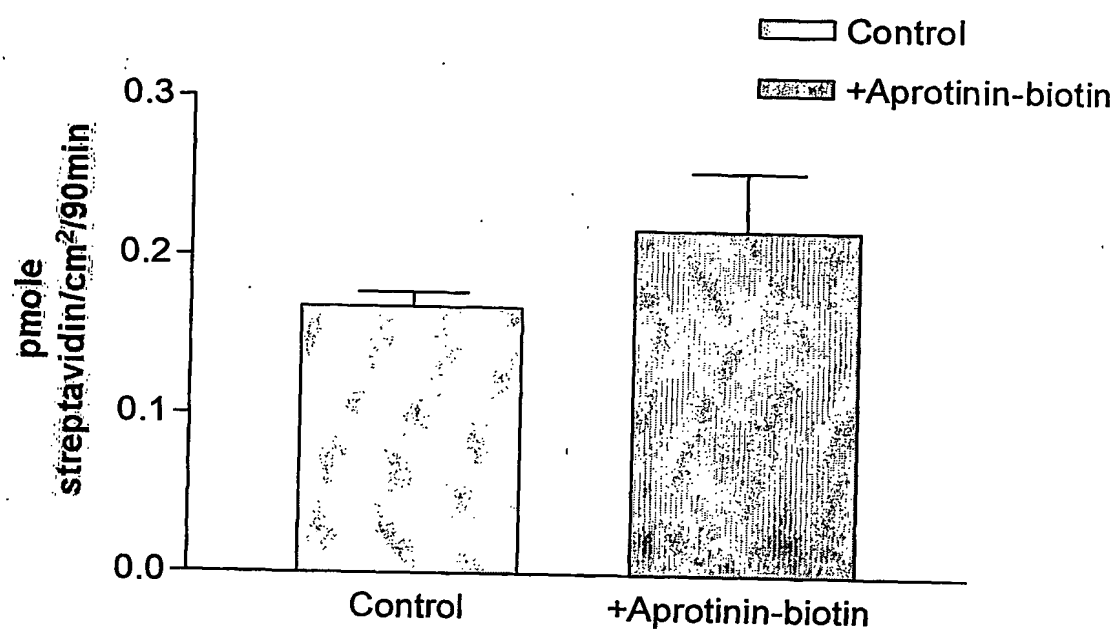


FIG. 13

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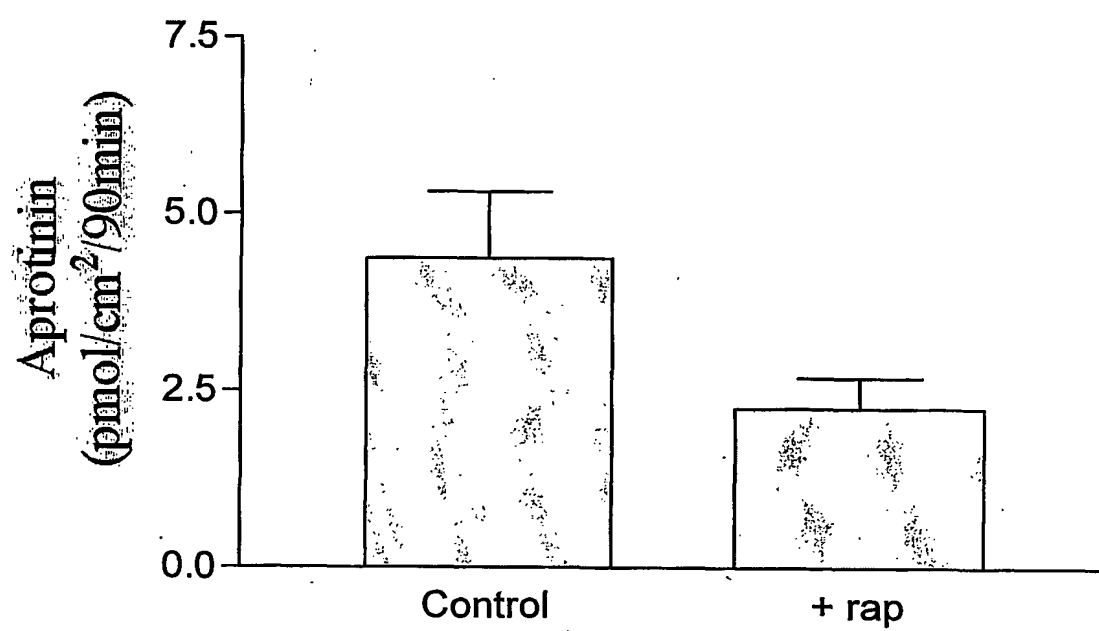
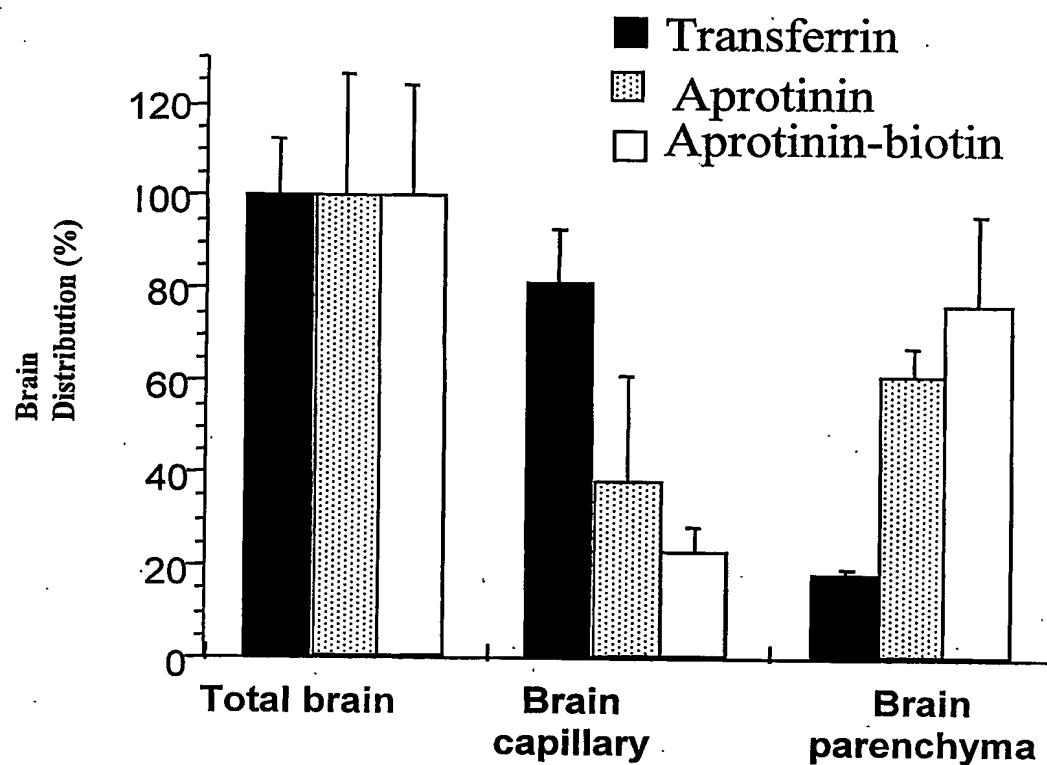


FIG. 14

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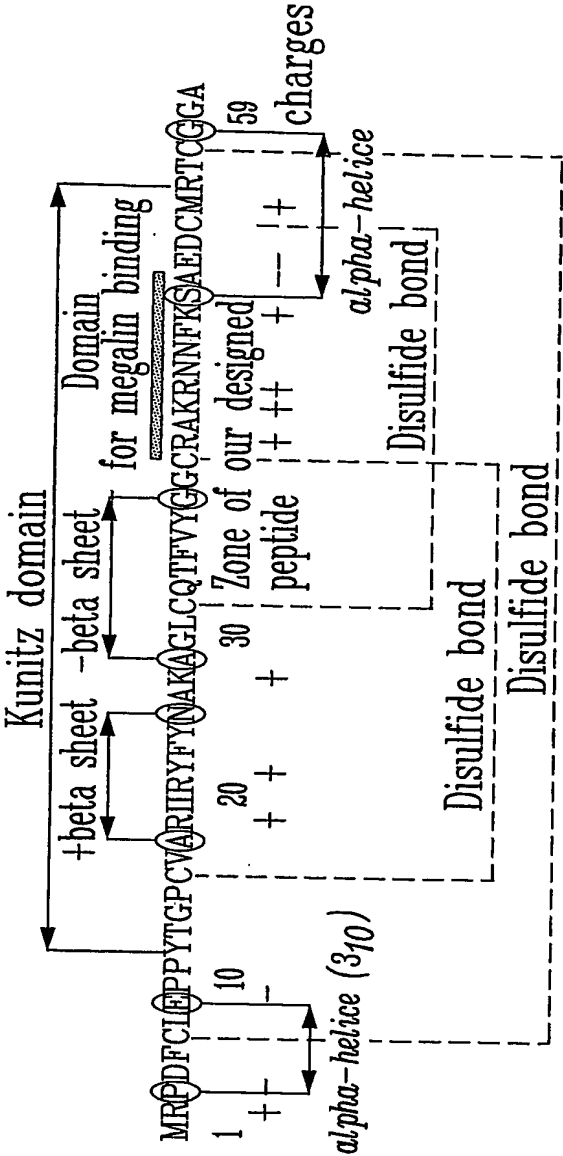


$V_D$  for aprotinin in brain parenchyma = 3  $\mu$ l/100 g

**FIG. 15**

Synthetic-Aprotinin Sequence (net charge + 5 )  
Protein of 59 amino-acids, 6500 Da:

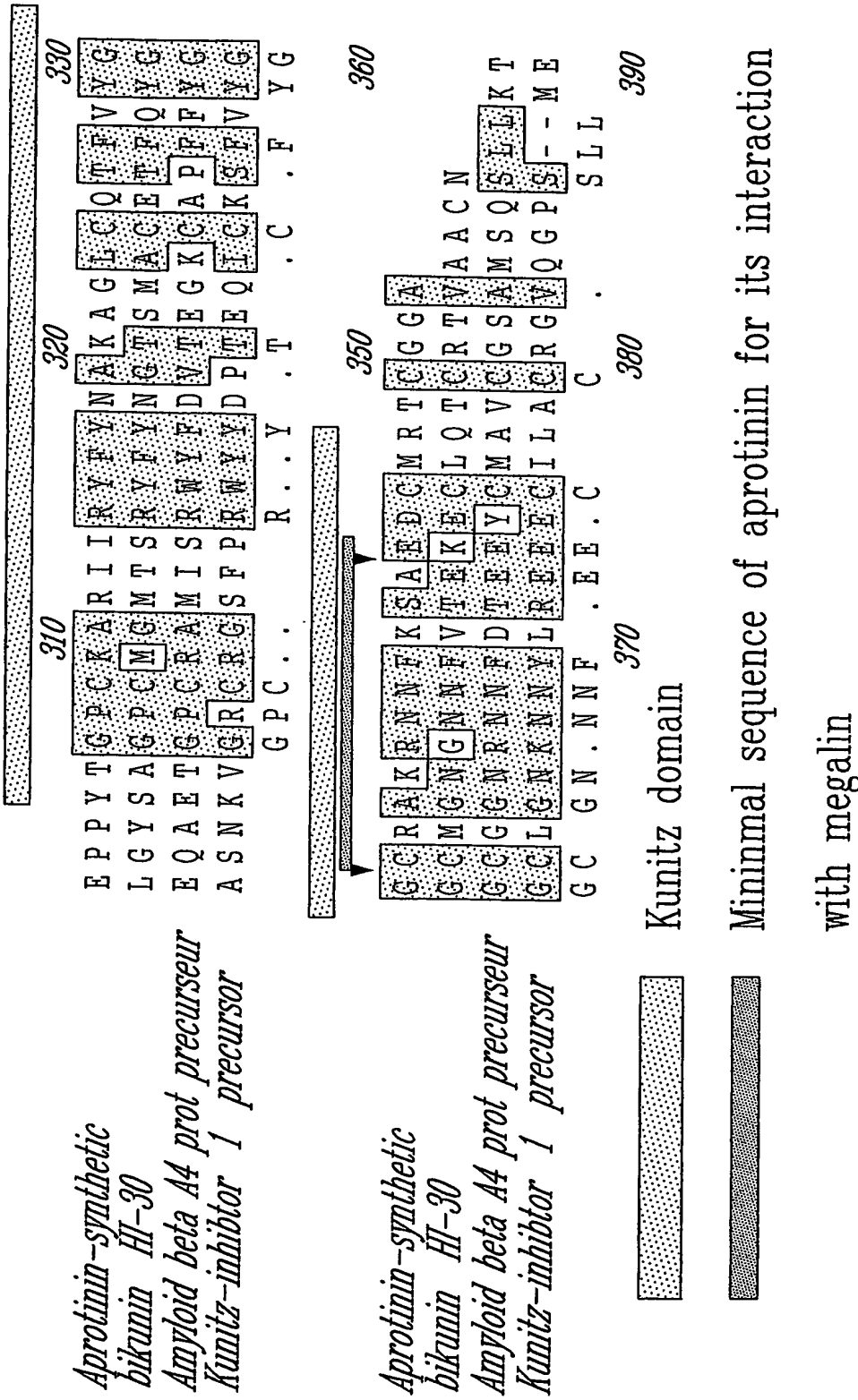
FIG. 16



- \* Zone of our designed peptides
- \* 4 nucleophiles amines=4 potential sites of conjugaison (residue 1,27,42,47)
- \* 6 cysteines engaged in disulfides bonds
- \* 2 alpha-helices and 2 beta sheets



FIG. 17  
Alignment between aprotinin  
and three human proteins with a similar domain



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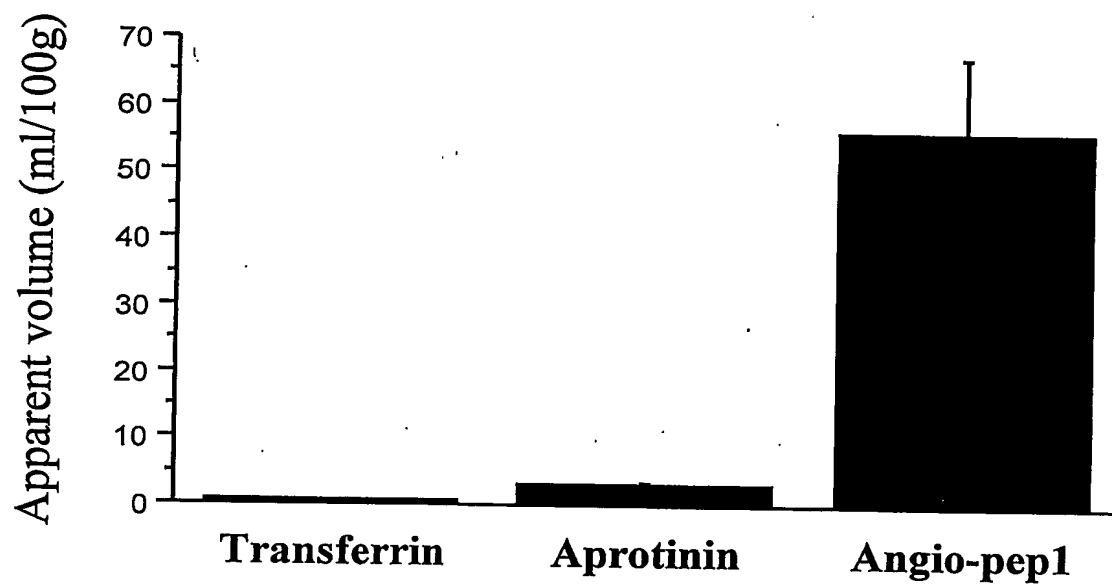
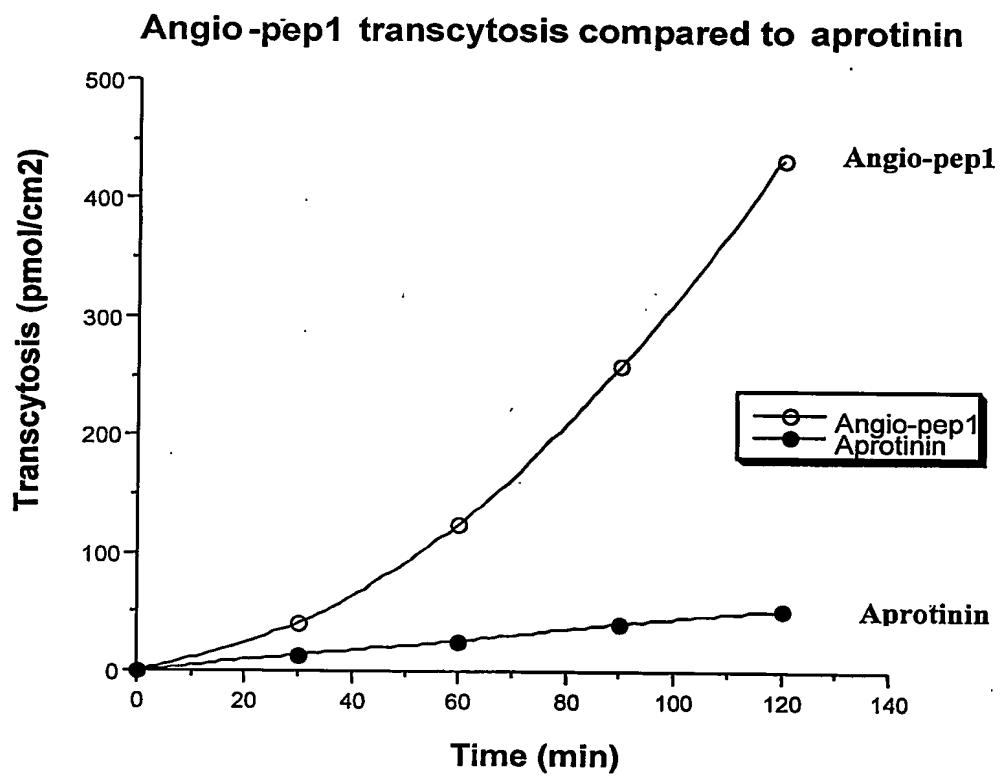


FIG. 18

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**FIG. 19**

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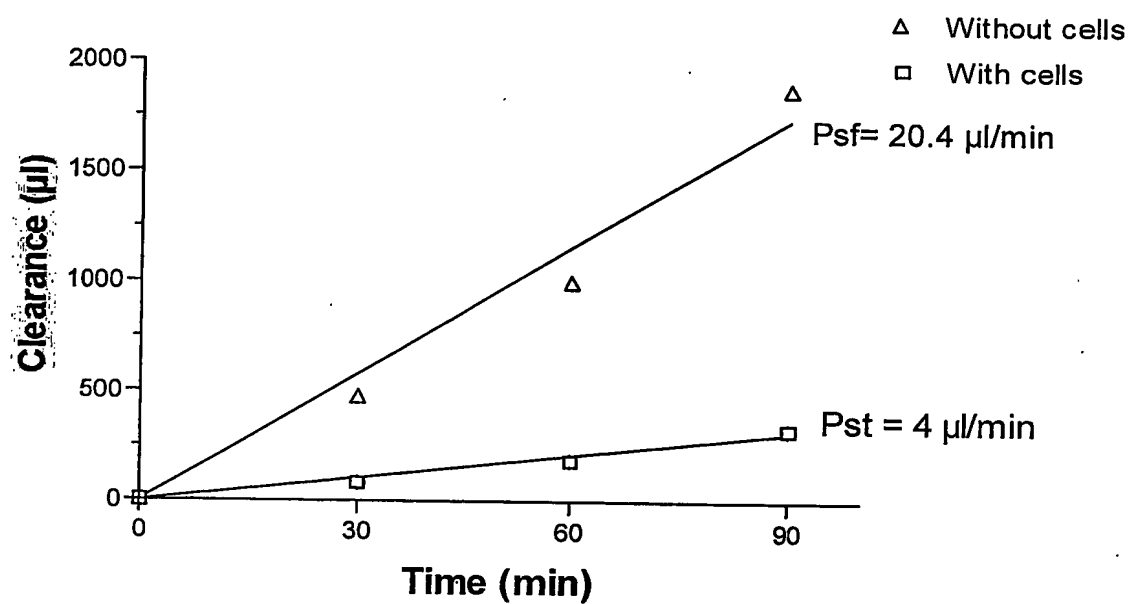


FIG. 20